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BLASTP 2.2.6 [Apr-09-2003]

Reference:
Altschul, Stephen F., Thomas L. Madden, Alejandro A. Schäffer, Jinghui Zhang, Zheng Zhang, Webb Miller, and David J. Lipman (1997), "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs", Nucleic Acids Res. 25:3389-3402.

RID: 1051807279-015009-27174

Query=
(81 letters)

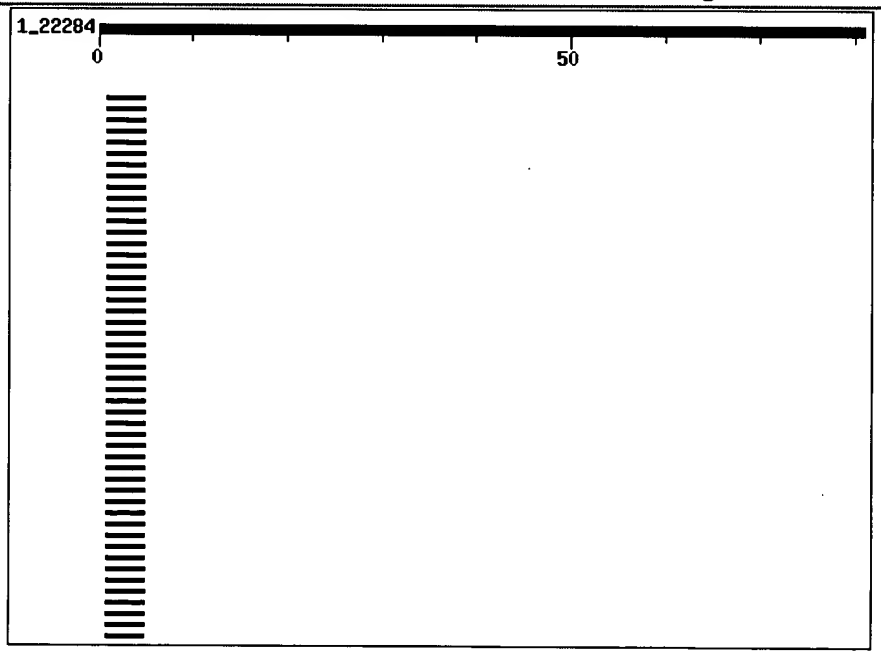
Database: Protein sequences derived from the Patent division of GenBank
119,193 sequences; 19,553,006 total letters

If you have any problems or questions with the results of this search please refer to the **BLAST FAQs**

Taxonomy reports

Distribution of 102 Blast Hits on the Query Sequence

Mouse-over to show defline and scores. Click to show alignments



Sequences producing significant alignments:	Score (bits)	E Value
gi|7224630|gb|AAE24797.1| Sequence 5 from patent US 5910568...	21	113

gi|7224641|gb|AAE24808.1| Sequence 16 from patent US 591056...	21	113
gi|29699042|gb|AAO95634.1| Sequence 53 from patent US 6500431	21	113
gi|3022870|gb|AAC12489.1|I85350 Sequence 2 from patent US 5...	21	113
gi|29699036|gb|AAO95628.1| Sequence 47 from patent US 65004...	21	113
gi|29699048|gb|AAO95640.1| Sequence 59 from patent US 6500431	21	113
gi|29699045|gb|AAO95637.1| Sequence 56 from patent US 6500431	21	113
gi|29699014|gb|AAO95606.1| Sequence 25 from patent US 6500431	21	113
gi|29699035|gb|AAO95627.1| Sequence 46 from patent US 6500431	21	113
gi|29699015|gb|AAO95607.1| Sequence 26 from patent US 6500431	21	113
gi|29699000|gb|AAO95592.1| Sequence 1 from patent US 6500431	21	113
gi|10058258|gb|AAE35164.1| Sequence 3 from patent US 5981263	21	113
gi|29699033|gb|AAO95625.1| Sequence 44 from patent US 65004...	21	113
gi|29699016|gb|AAO95608.1| Sequence 27 from patent US 6500431	21	113
gi|29699039|gb|AAO95631.1| Sequence 50 from patent US 6500431	21	113
gi|7224639|gb|AAE24806.1| Sequence 14 from patent US 591056...	21	113
gi|29699047|gb|AAO95639.1| Sequence 58 from patent US 6500431	21	113
gi|29699038|gb|AAO95630.1| Sequence 49 from patent US 6500431	21	113
gi|29699002|gb|AAO95594.1| Sequence 13 from patent US 6500431	21	113
gi|29561474|emb|CAD88072.1| unnamed protein product [Homo s...	21	113
gi|29699046|gb|AAO95638.1| Sequence 57 from patent US 6500431	21	113
gi|7224640|gb|AAE24807.1| Sequence 15 from patent US 591056...	21	113
gi|7224629|gb|AAE24796.1| Sequence 4 from patent US 5910568...	21	113
gi|29699037|gb|AAO95629.1| Sequence 48 from patent US 6500431	21	113
gi|29699013|gb|AAO95605.1| Sequence 24 from patent US 6500431	21	113
gi|3206281|gb|AAC19716.1|I86563 Sequence 3 from patent US 5...	21	113
gi|29699022|gb|AAO95614.1| Sequence 33 from patent US 6500431	21	113
gi|29699001|gb|AAO95593.1| Sequence 2 from patent US 6500431	21	113
gi|29699008|gb|AAO95600.1| Sequence 19 from patent US 6500431	21	113
gi|12820406|gb|AAE47956.1| Sequence 15 from patent US 6103483	21	113
gi|29699041|gb|AAO95633.1| Sequence 52 from patent US 6500431	21	113
gi|29699044|gb|AAO95636.1| Sequence 55 from patent US 6500431	21	113
gi|1828434|gb|AAB42888.1| Sequence 2 from patent US 5571787	21	113
gi|29699010|gb|AAO95602.1| Sequence 21 from patent US 6500431	21	113
gi|29699040|gb|AAO95632.1| Sequence 51 from patent US 6500431	21	113
gi|6739169|emb|CAB69390.1| unnamed protein product [unident...	18	490
gi|10050357|gb|AAE27264.1| Sequence 2 from patent US 5955279	18	658
gi|1567710|emb|CAA02124.1| thrombin inhibitor protein [Rhod...	18	658
gi|27276406|gb|AAN92741.1| Sequence 2 from patent US 6458536	18	658
gi|5946879|gb|AAE03784.1| Sequence 45 from patent US 586654...	18	658
gi|27276407|gb|AAN92742.1| Sequence 3 from patent US 6458536	18	658
gi|3997977|gb|AAC91409.1|AR017519 Sequence 8 from patent US...	18	658
gi|5946877|gb|AAE03782.1| Sequence 43 from patent US 586654...	18	658
gi|5946880|gb|AAE03785.1| Sequence 46 from patent US 586654...	18	658
gi|1567704|emb|CAA02121.1| thrombin inhibitor protein [Rhod...	18	658
gi|5971499|gb|AAE11904.1| Sequence 4 from patent US 5821048	18	658
gi|5946878|gb|AAE03783.1| Sequence 44 from patent US 586654...	18	658
gi|313930|gb|AAA01499.1| Sequence 1 from Patent US 4777239	18	658
gi|1567698|emb|CAA02118.1| thrombin inhibitor protein [Rhod...	18	658
gi|3937697|gb|AAC81241.1|I93227 Sequence 2 from patent US 5...	18	658
gi|5954515|gb|AAE07019.1| Sequence 5 from patent US 5872234...	18	658
gi|1567700|emb|CAA02119.1| thrombin inhibitor protein [Rhod...	18	658
gi|583799|emb|CAA01214.1| pol [Visna virus]	18	658
gi|1567696|emb|CAA02117.1| thrombin inhibitor protein [Rhod...	18	658
gi|1567708|emb|CAA02123.1| thrombin inhibitor protein [Rhod...	18	658
gi|1612522|gb|AAB15502.1| Sequence 2 from patent US 5552306...	18	658
gi|1567702|emb|CAA02120.1| thrombin inhibitor protein [Rhod...	18	658
gi|268659|gb|AAA00893.1| Sequence 2 from Patent US 4652628	18	658
gi|17902298|emb|CAD19395.1| unnamed protein product [Homo s...	18	658
gi|21439322|emb|CAD35048.1| unnamed protein product [Homo s...	18	882
gi|23334541|gb|AAN27907.1| Sequence 2 from patent US 6441276	18	882
gi|10048745|gb|AAE25652.1| Sequence 2 from patent US 5948640	18	882
gi|5946871|gb|AAE03776.1| Sequence 27 from patent US 586654...	18	882
gi|5946899|gb|AAE03804.1| Sequence 65 from patent US 586654...	18	882
gi|5946886|gb|AAE03791.1| Sequence 52 from patent US 586654...	18	882
gi|2300945|emb|CAA02959.1| unnamed protein product [Rhipice...	18	882

gi|23310296|gb|AAN18945.1| Sequence 21 from patent US 6403352	18	882
gi|29719546|gb|AAP01890.1| Sequence 2 from patent US 652458...	17	1184
gi|6088489|emb|CAB58625.1| PT-NANBH coding sequence [uniden...	17	1184
gi|5950802|gb|AAE05028.1| Sequence 2 from patent US 5869282...	17	1184
gi|10053842|gb|AAE30749.1| Sequence 2 from patent US 5965401	17	1184
gi|28447380|emb|CAD67632.1| unnamed protein product [Homo s...	17	1184
gi|15121888|gb|AAE72568.1| Sequence 4 from patent US 6236946	17	1184
gi|12813980|gb|AAE45280.1| Sequence 7 from patent US 6083917	17	1184
gi|912334|gb|AAA71788.1| Sequence 10 from patent US 5436318...	17	1184
gi|6004710|gb|AAE23137.1| Sequence 12 from patent US 5821227	17	1184
gi|25269929|emb|CAD57507.1| unnamed protein product [Mus mu...	17	1184
gi|16223330|gb|AAE74746.1| Sequence 1 from patent US 6251613	17	1184
gi|270253|gb|AAA01907.1| Sequence 1 from Patent US 4855231	17	1184
gi|2096613|gb|AAB55445.1| Sequence 2 from patent US 5612204	17	1184
gi|21508650|gb|AAM58139.1| Sequence 1 from patent US 6379886	17	1184
gi|12828947|gb|AAE50647.1| Sequence 20 from patent US 6127116	17	1184
gi|14111017|gb|AAE57557.1| Sequence 50 from patent US 6172189	17	1184
gi|21066309|emb|CAD32154.1| unnamed protein product [synthe...	17	1184
gi|10062419|gb|AAE37689.1| Sequence 6 from patent US 598990...	17	1184
gi|7224494|gb|AAE24661.1| Sequence 23 from patent US 591040...	17	1184
gi|2725028|gb|AAB92710.1|I67048 Sequence 36 from patent US ...	17	1184
gi|14101373|gb|AAE53690.1| Sequence 18 from patent US 6150087	17	1184
gi|911718|gb|AAA71172.1| Sequence 5 from patent US 5428145	17	1184
gi|3991311|gb|AAC84738.1|AR001742 Sequence 1 from patent US...	17	1184
gi|10058257|gb|AAE35163.1| Sequence 1 from patent US 5981263	17	1184
gi|5946895|gb|AAE03800.1| Sequence 61 from patent US 586654...	17	1184
gi|15142515|emb|CAC50614.1| unnamed protein product [Escher...	17	1184
gi|14103321|gb|AAE54755.1| Sequence 3 from patent US 6153421	17	1184
gi|15108514|gb|AAE67550.1| Sequence 23 from patent US 6211338	17	1184
gi|15108502|gb|AAE67538.1| Sequence 11 from patent US 6211338	17	1184
gi|3993027|gb|AAC86454.1|AR005971 Sequence 2 from patent US...	17	1184
gi|3999432|gb|AAC92864.1|AR021926 Sequence 1 from patent US...	17	1184
gi|22207308|emb|CAD43568.1| unnamed protein product [Hepati...	17	1184
gi|594930|gb|AAA56537.1| Sequence 2 from Patent EP 0077196	17	1184

Alignments

Get selected sequences | Select all | Deselect all

☐ >gi|7224630|gb|AAE24797.1| Sequence 5 from patent US 5910568
gi|10069483|gb|AAE41314.1| Sequence 5 from patent US 6004586
gi|12820396|gb|AAE47946.1| Sequence 5 from patent US 6103483
Length = 19

Score = 20.6 bits (41), Expect = 113
Identities = 5/5 (100%), Positives = 5/5 (100%)

```
Query: 2  DVCQD 6
          DVCQD
Sbjct: 8  DVCQD 12
```

☐ >gi|7224641|gb|AAE24808.1| Sequence 16 from patent US 5910568
gi|10069505|gb|AAE41325.1| Sequence 16 from patent US 6004586
gi|12820407|gb|AAE47957.1| Sequence 16 from patent US 6103483
Length = 79

Score = 20.6 bits (41), Expect = 113
Identities = 5/5 (100%), Positives = 5/5 (100%)

```
Query: 2  DVCQD 6
          DVCQD
Sbjct: 67 DVCQD 71
```

☐>gi|29699042|gb|AAO95634.1| Sequence 53 from patent US 6500431
Length = 70

Score = 20.6 bits (41), Expect = 113
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 2 DVCQD 6
DVCQD
Sbjct: 7 DVCQD 11

☐>gi|3022870|gb|AAC12489.1|I85350 Sequence 2 from patent US 5696080
gi|3407473|gb|AAC29629.1|I83943 Sequence 2 from patent US 5714459
Length = 523

Score = 20.6 bits (41), Expect = 113
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 2 DVCQD 6
DVCQD
Sbjct: 195 DVCQD 199

☐>gi|29699036|gb|AAO95628.1| Sequence 47 from patent US 6500431
gi|29699043|gb|AAO95635.1| Sequence 54 from patent US 6500431
Length = 16

Score = 20.6 bits (41), Expect = 113
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 2 DVCQD 6
DVCQD
Sbjct: 7 DVCQD 11

☐>gi|29699048|gb|AAO95640.1| Sequence 59 from patent US 6500431
Length = 16

Score = 20.6 bits (41), Expect = 113
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 2 DVCQD 6
DVCQD
Sbjct: 7 DVCQD 11

☐>gi|29699045|gb|AAO95637.1| Sequence 56 from patent US 6500431
Length = 16

Score = 20.6 bits (41), Expect = 113
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 2 DVCQD 6
DVCQD
Sbjct: 7 DVCQD 11

☐>gi|29699014|gb|AAO95606.1| Sequence 25 from patent US 6500431
Length = 8

Score = 20.6 bits (41), Expect = 113
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 2 DVCQD 6
DVCQD
Sbjct: 1 DVCQD 5

☐>gi|29699035|gb|AAO95627.1| Sequence 46 from patent US 6500431

Length = 70

Score = 20.6 bits (41), Expect = 113
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 2 DVCQD 6
DVCQD
Sbjct: 7 DVCQD 11

☐>gi|29699015|gb|AAO95607.1| Sequence 26 from patent US 6500431
Length = 7

Score = 20.6 bits (41), Expect = 113
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 2 DVCQD 6
DVCQD
Sbjct: 1 DVCQD 5

☐>gi|29699000|gb|AAO95592.1| Sequence 1 from patent US 6500431
Length = 524

Score = 20.6 bits (41), Expect = 113
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 2 DVCQD 6
DVCQD
Sbjct: 196 DVCQD 200

☐>gi|10058258|gb|AAE35164.1| Sequence 3 from patent US 5981263
Length = 956

Score = 20.6 bits (41), Expect = 113
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 2 DVCQD 6
DVCQD
Sbjct: 568 DVCQD 572

☐>gi|29699033|gb|AAO95625.1| Sequence 44 from patent US 6500431
gi|29699034|gb|AAO95626.1| Sequence 45 from patent US 6500431
Length = 70

Score = 20.6 bits (41), Expect = 113
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 2 DVCQD 6
DVCQD
Sbjct: 7 DVCQD 11

☐>gi|29699016|gb|AAO95608.1| Sequence 27 from patent US 6500431
Length = 6

Score = 20.6 bits (41), Expect = 113
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 2 DVCQD 6
DVCQD
Sbjct: 1 DVCQD 5

☐>gi|29699039|gb|AAO95631.1| Sequence 50 from patent US 6500431
Length = 70

Score = 20.6 bits (41), Expect = 113

```
 Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 2  DVCQD 6
          DVCQD
Sbjct: 7  DVCQD 11

☐>gi|7224639|gb|AAE24806.1|   Sequence 14 from patent US 5910568
 gi|10069501|gb|AAE41323.1|   Sequence 14 from patent US 6004586
 gi|12820405|gb|AAE47955.1|   Sequence 14 from patent US 6103483
          Length = 79

 Score = 20.6 bits (41), Expect =   113
 Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 2  DVCQD 6
          DVCQD
Sbjct: 67 DVCQD 71

☐>gi|29699047|gb|AAO95639.1|   Sequence 58 from patent US 6500431
          Length = 16

 Score = 20.6 bits (41), Expect =   113
 Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 2  DVCQD 6
          DVCQD
Sbjct: 7  DVCQD 11

☐>gi|29699038|gb|AAO95630.1|   Sequence 49 from patent US 6500431
          Length = 70

 Score = 20.6 bits (41), Expect =   113
 Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 2  DVCQD 6
          DVCQD
Sbjct: 7  DVCQD 11

☐>gi|29699002|gb|AAO95594.1|   Sequence 13 from patent US 6500431
          Length = 15

 Score = 20.6 bits (41), Expect =   113
 Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 2  DVCQD 6
          DVCQD
Sbjct: 7  DVCQD 11

☐>gi|29561474|emb|CAD88072.1|   unnamed protein product [Homo sapiens]
          Length = 479

 Score = 20.6 bits (41), Expect =   113
 Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 2   DVCQD 6
           DVCQD
Sbjct: 196 DVCQD 200

☐>gi|29699046|gb|AAO95638.1|   Sequence 57 from patent US 6500431
          Length = 16

 Score = 20.6 bits (41), Expect =   113
 Identities = 5/5 (100%), Positives = 5/5 (100%)
```

```
Query: 2  DVCQD 6
          DVCQD
Sbjct: 7  DVCQD 11

☐>gi|7224640|gb|AAE24807.1|   Sequence 15 from patent US 5910568
 gi|10069503|gb|AAE41324.1|   Sequence 15 from patent US 6004586
          Length = 80

 Score = 20.6 bits (41), Expect =   113
 Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 2  DVCQD 6
          DVCQD
Sbjct: 68 DVCQD 72

☐>gi|7224629|gb|AAE24796.1|   Sequence 4 from patent US 5910568
 gi|10069481|gb|AAE41313.1|   Sequence 4 from patent US 6004586
 gi|12820395|gb|AAE47945.1|   Sequence 4 from patent US 6103483
          Length = 15

 Score = 20.6 bits (41), Expect =   113
 Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 2  DVCQD 6
          DVCQD
Sbjct: 9  DVCQD 13

☐>gi|29699037|gb|AAO95629.1|   Sequence 48 from patent US 6500431
          Length = 16

 Score = 20.6 bits (41), Expect =   113
 Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 2  DVCQD 6
          DVCQD
Sbjct: 7  DVCQD 11

☐>gi|29699013|gb|AAO95605.1|   Sequence 24 from patent US 6500431
          Length = 9

 Score = 20.6 bits (41), Expect =   113
 Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 2 DVCQD 6
         DVCQD
Sbjct: 1 DVCQD 5

☐>gi|3206281|gb|AAC19716.1|I86563   Sequence 3 from patent US 5700909
          Length = 523

 Score = 20.6 bits (41), Expect =   113
 Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 2   DVCQD 6
           DVCQD
Sbjct: 195 DVCQD 199

☐>gi|29699022|gb|AAO95614.1|   Sequence 33 from patent US 6500431
          Length = 11

 Score = 20.6 bits (41), Expect =   113
 Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 2 DVCQD 6
```

```
          DVCQD
Sbjct: 2 DVCQD 6
```

☐>gi|29699001|gb|AAO95593.1| Sequence 2 from patent US 6500431
Length = 81

```
 Score = 20.6 bits (41), Expect =   113
 Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 2 DVCQD 6
          DVCQD
Sbjct: 2 DVCQD 6
```

☐>gi|29699008|gb|AAO95600.1| Sequence 19 from patent US 6500431
Length = 11

```
 Score = 20.6 bits (41), Expect =   113
 Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 2 DVCQD 6
          DVCQD
Sbjct: 2 DVCQD 6
```

☐>gi|12820406|gb|AAE47956.1| Sequence 15 from patent US 6103483
Length = 80

```
 Score = 20.6 bits (41), Expect =   113
 Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 2  DVCQD 6
          DVCQD
Sbjct: 68 DVCQD 72
```

☐>gi|29699041|gb|AAO95633.1| Sequence 52 from patent US 6500431
Length = 70

```
 Score = 20.6 bits (41), Expect =   113
 Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 2  DVCQD 6
          DVCQD
Sbjct: 7  DVCQD 11
```

☐>gi|29699044|gb|AAO95636.1| Sequence 55 from patent US 6500431
Length = 16

```
 Score = 20.6 bits (41), Expect =   113
 Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 2  DVCQD 6
          DVCQD
Sbjct: 7  DVCQD 11
```

☐>gi|1828434|gb|AAB42888.1| Sequence 2 from patent US 5571787
Length = 523

```
 Score = 20.6 bits (41), Expect =   113
 Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 2   DVCQD 6
           DVCQD
Sbjct: 195 DVCQD 199
```

☐>gi|29699010|gb|AAO95602.1| Sequence 21 from patent US 6500431
Length = 10

Score = 20.6 bits (41), Expect = 113
Identities = 5/5 (100%), Positives = 5/5 (100%)

```
Query: 2 DVCQD 6
         DVCQD
Sbjct: 1 DVCQD 5
```

☐>gi|29699040|gb|AAO95632.1| Sequence 51 from patent US 6500431
Length = 70

Score = 20.6 bits (41), Expect = 113
Identities = 5/5 (100%), Positives = 5/5 (100%)

```
Query: 2  DVCQD 6
          DVCQD
Sbjct: 7  DVCQD 11
```

☐>gi|6739169|emb|CAB69390.1| unnamed protein product [unidentified]
Length = 378

Score = 18.5 bits (36), Expect = 490
Identities = 4/5 (80%), Positives = 5/5 (100%)

```
Query: 2  DVCQD 6
          D+CQD
Sbjct: 36 DICQD 40
```

☐>gi|10050357|gb|AAE27264.1| Sequence 2 from patent US 5955279
Length = 3056

Score = 18.0 bits (35), Expect = 658
Identities = 4/5 (80%), Positives = 5/5 (100%)

```
Query: 2    DVCQD 6
             DVCQ+
Sbjct: 2822 DVCQN 2826
```

☐>gi|1567710|emb|CAA02124.1| thrombin inhibitor protein [Rhodnius prolixus]
gi|1610452|gb|AAB13424.1| Sequence 17 from patent US 5523287
Length = 368

Score = 18.0 bits (35), Expect = 658
Identities = 4/5 (80%), Positives = 5/5 (100%)

```
Query: 2   DVCQD 6
            DVCQ+
Sbjct: 253 DVCQE 257
```

Score = 18.0 bits (35), Expect = 658
Identities = 4/5 (80%), Positives = 5/5 (100%)

```
Query: 2  DVCQD 6
           DVCQ+
Sbjct: 69 DVCQE 73
```

☐>gi|27276406|gb|AAN92741.1| Sequence 2 from patent US 6458536
Length = 3056

Score = 18.0 bits (35), Expect = 658
Identities = 4/5 (80%), Positives = 5/5 (100%)

```
Query: 2    DVCQD 6
            DVCQ+
Sbjct: 2822 DVCQN 2826

>gi|5946879|gb|AAE03784.1|   Sequence 45 from patent US 5866542
 gi|5947180|gb|AAE04085.1|   Sequence 45 from patent US 5866543
 gi|5954029|gb|AAE06533.1|   Sequence 45 from patent US 5872098
 gi|10050423|gb|AAE27330.1|   Sequence 45 from patent US 5955294
 gi|12816360|gb|AAE46169.1|   Sequence 45 from patent US 6087487
           Length = 86

 Score = 18.0 bits (35), Expect =   658
 Identities = 4/5 (80%), Positives = 5/5 (100%)

Query: 2  DVCQD 6
           DVCQ+
Sbjct: 72 DVCQE 76

>gi|27276407|gb|AAN92742.1|   Sequence 3 from patent US 6458536
           Length = 3057

 Score = 18.0 bits (35), Expect =   658
 Identities = 4/5 (80%), Positives = 5/5 (100%)

Query: 2    DVCQD 6
             DVCQ+
Sbjct: 2823 DVCQN 2827

>gi|3997977|gb|AAC91409.1|AR017519   Sequence 8 from patent US 5777093
 gi|5941717|gb|AAE01249.1|   Sequence 3 from patent US 5858661
 gi|14481478|gb|AAE62715.1|   Sequence 3 from patent US 6200749
 gi|15108474|gb|AAE67510.1|   Sequence 3 from patent US 6211336
           Length = 3056

 Score = 18.0 bits (35), Expect =   658
 Identities = 4/5 (80%), Positives = 5/5 (100%)

Query: 2    DVCQD 6
             DVCQ+
Sbjct: 2822 DVCQN 2826

>gi|5946877|gb|AAE03782.1|   Sequence 43 from patent US 5866542
 gi|5947178|gb|AAE04083.1|   Sequence 43 from patent US 5866543
 gi|5954027|gb|AAE06531.1|   Sequence 43 from patent US 5872098
 gi|10050421|gb|AAE27328.1|   Sequence 43 from patent US 5955294
 gi|12816358|gb|AAE46167.1|   Sequence 43 from patent US 6087487
           Length = 88

 Score = 18.0 bits (35), Expect =   658
 Identities = 4/5 (80%), Positives = 5/5 (100%)

Query: 2  DVCQD 6
           DVCQ+
Sbjct: 74 DVCQE 78

>gi|5946880|gb|AAE03785.1|   Sequence 46 from patent US 5866542
 gi|5947181|gb|AAE04086.1|   Sequence 46 from patent US 5866543
 gi|5954030|gb|AAE06534.1|   Sequence 46 from patent US 5872098
 gi|10050424|gb|AAE27331.1|   Sequence 46 from patent US 5955294
 gi|12816361|gb|AAE46170.1|   Sequence 46 from patent US 6087487
           Length = 86

 Score = 18.0 bits (35), Expect =   658
```

```
 Identities = 4/5 (80%), Positives = 5/5 (100%)

Query: 2  DVCQD 6
          DVCQ+
Sbjct: 72 DVCQE 76
```

>gi|1567704|emb|CAA02121.1| thrombin inhibitor protein [Rhodnius prolixus]
gi|1610449|gb|AAB13421.1| Sequence 11 from patent US 5523287

```
          Length = 129

 Score = 18.0 bits (35), Expect =   658
 Identities = 4/5 (80%), Positives = 5/5 (100%)

Query: 2  DVCQD 6
          DVCQ+
Sbjct: 14 DVCQE 18
```

>gi|5971499|gb|AAE11904.1| Sequence 4 from patent US 5821048

```
          Length = 365

 Score = 18.0 bits (35), Expect =   658
 Identities = 4/5 (80%), Positives = 5/5 (100%)

Query: 2  DVCQD 6
          +VCQD
Sbjct: 9  NVCQD 13
```

>gi|5946878|gb|AAE03783.1| Sequence 44 from patent US 5866542
gi|5947179|gb|AAE04084.1| Sequence 44 from patent US 5866543
gi|5954028|gb|AAE06532.1| Sequence 44 from patent US 5872098
gi|10050422|gb|AAE27329.1| Sequence 44 from patent US 5955294
gi|12816359|gb|AAE46168.1| Sequence 44 from patent US 6087487

```
          Length = 87

 Score = 18.0 bits (35), Expect =   658
 Identities = 4/5 (80%), Positives = 5/5 (100%)

Query: 2  DVCQD 6
          DVCQ+
Sbjct: 73 DVCQE 77
```

>gi|313930|gb|AAA01499.1| Sequence 1 from Patent US 4777239

```
          Length = 365

 Score = 18.0 bits (35), Expect =   658
 Identities = 4/5 (80%), Positives = 5/5 (100%)

Query: 2  DVCQD 6
          +VCQD
Sbjct: 9  NVCQD 13
```

>gi|1567698|emb|CAA02118.1| thrombin inhibitor protein [Rhodnius prolixus]
gi|1610446|gb|AAB13418.1| Sequence 5 from patent US 5523287

```
          Length = 90

 Score = 18.0 bits (35), Expect =   658
 Identities = 4/5 (80%), Positives = 5/5 (100%)

Query: 2  DVCQD 6
          DVCQ+
Sbjct: 34 DVCQE 38
```

>gi|3937697|gb|AAC81241.1|I93227 Sequence 2 from patent US 5728807
gi|3997972|gb|AAC91404.1|AR017514 Sequence 2 from patent US 5777093

```
          Length = 1708

 Score = 18.0 bits (35), Expect =   658
 Identities = 4/5 (80%), Positives = 5/5 (100%)

Query: 2    DVCQD 6
             DVCQ+
Sbjct: 1474 DVCQN 1478
```

Get selected sequences | Select all | Deselect all

```
  Database: Protein sequences derived from the Patent division of
  GenBank
    Posted date:  May 1, 2003  5:22 AM
  Number of letters in database: 19,553,006
  Number of sequences in database:  119,193

Lambda     K      H
   0.342    0.294     1.89

Gapped
Lambda     K      H
   0.294    0.110    0.610


Matrix: PAM30
Gap Penalties: Existence: 9, Extension: 1
Number of Hits to DB: 204,330
Number of Sequences: 119193
Number of extensions: 496
Number of successful extensions: 429
Number of sequences better than 20000.0: 100
Number of HSP's better than 20000.0 without gapping: 427
Number of HSP's successfully gapped in prelim test: 0
Number of HSP's that attempted gapping in prelim test: 0
Number of HSP's gapped (non-prelim): 429
length of query: 5
length of database: 19,553,006
effective HSP length: 0
effective length of query: 9
effective length of database: 19,553,006
effective search space: 175977054
effective search space used: 175977054
T: 11
A: 40
X1: 15 ( 7.4 bits)
X2: 35 (14.8 bits)
X3: 58 (24.6 bits)
S1: 24 (13.6 bits)
S2: 24 (13.4 bits)
```